

CIC #: 99EPA SUPERFUND

Billed Date: 03-Jan-2011

Customer Order Number DW96957731

DIAMOND HEAD OU1 329881 BZ801

EPA 640

VOUCHER FOR TRANSFERS
BETWEEN APPROPRIATIONS AND/OR FUNDS (AR 37- 1)

Mission Assignment No:

D.O. Voucher No.BU. Voucher No.Bill No.Paid By Check No.Collection Vou. No.

27051645

Partial # 14 01-Dec-2010 Thru 03-Jan-2011

Billed Office (Mail To):

U S ENVIRONMENTAL PROTECTION AGENCY
ACCOUNTING OPERATIONS OFFICE
26 W MARTIN LUTHER KING DRIVE
CINCINNATI OH 45268-7002

Billing Office (Send Remittance To):

USACE FINANCE CENTER G5
KANSAS CITY DISTRICT G5
5720 INTEGRITY DRIVE

MILLINGTON TN 38054-5005

Billed Accounting Classification

68 NA X 8145.0000 2010 00 0000 012731 0000 00000

\$5,602.15

Billing Accounting Classification

96 NA X 3122.0000 G5 08 2416 868 012731 96231

\$5,602.15

Line Item	Mo	Description	Amount
1 INHOUSE - OTHER RESOURCES		SUPERFUND M&S	\$683.75
1 INHOUSE - LABOR		DEPARTMENTAL OVERHEAD COSTS	\$1,494.99
1 INHOUSE - LABOR		GENERAL AND ADMINISTRATIVE OVERHEAD COSTS	\$433.54
1 INHOUSE - LABOR		LABOR	\$2,989.87
Subtotal:			\$5,602.15

CORPS CERTIFICATION

"I CERTIFY THAT THE ABOVE ARTICLES WERE DELIVERED AND OR THE SERVICES PERFORMED AS STATED AND THAT THE PAYMENT REQUESTED IS CORRECT TO THE BEST OF MY KNOWLEDGE. AND SHOULD BE PAID AND CHARGED TO THE APPROPRIATION(S) OR FUNDS AS INDICATED."

18 Jan 11 *Elizabeth A. Buckrucker*
DATE SIGNATURE
Elizabeth A. Buckrucker
Project Manager

Total Billed Amount: \$5,602.15

Less Partial Amount Paid: \$0.00

Payment Due Date: 02-Feb-2011 Pay This Amount: \$5,602.15

Funds Authorized:	\$174,000.00
Total Billed Amount:	\$78,585.90
Prev Billed Amount:	\$72,983.75
Current Billed Amount	\$5,602.15
Total Flux Billed:	\$0.00
Prev Flux Billed:	\$0.00
Current Flux Billed:	\$0.00

CERTIFICATE OF OFFICE BILLED

I certify that the above articles were received and accepted or the services performed as stated and should be charged to the appropriation(s) and/or fund(s) as indicated above, or that the advance payment requested is approved and should be paid as indicated.

Date:

Authorized Administrative or Certifying Officer

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

PROGRESS REPORT

IA Number: DW96957731

MONTHLY REPORT FOR DECEMBER 2010

	Revised Reimbursable (96X3122)	Direct Fund Cite	IA Totals (96X3122)
STATEMENT OF CHARGES FOR PERIOD:			
Total Funds Authorized:	\$174,000.00	\$1,046,000.00	\$1,220,000.00
Less Total Expenditures: (-)	\$78,585.90	\$182,934.11	\$261,520.01
Less Undelivered Orders: (-)	\$0.00	\$863,065.89	\$863,065.89
Less Commitments: (-)	\$27,789.63	\$0.00	\$27,789.63
Funds Available Balance:	\$67,624.47	\$0.00	\$67,624.47

BILLING ACTIVITY (96X3122):

Bill Number: 27051645

Funds Expended During Report Period: \$5,602.15
Total Billed to Date: \$78,585.90

DIRECT FUND CITE PAYMENTS:

Funds Expended During Report Period: \$43,920.50
Total Expended to Date: \$182,934.11

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Page: 171
Date: 05-JAN-2011

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

IA Number: DW96957731

Bill Number: 27051645

Bill Invoice Date: 03-JAN-2011

Monthly Billing Amount (96X3122): \$5,602.15

Monthly Direct Fund Cite Contract Cost (68X8145): \$43,920.50

PROGRESS REPORT

Budget Categories	Costs for Current Month	Prior Month's Summary	Project Costs to Date
a Personnel	\$1,928.98	\$24,191.70	\$26,120.68
b Fringe Benefits	\$1,060.89	\$12,821.33	\$13,882.22
c Travel	\$0.00	\$9,654.16	\$9,654.16
d Equipment	\$0.00	\$0.00	\$0.00
e Supplies	\$0.00	\$0.00	\$0.00
f Procurement	\$0.00	\$0.00	\$0.00
g Construction	\$0.00	\$0.00	\$0.00
h Other	\$683.75	\$2,926.98	\$3,610.73
i Total Direct Charges	\$3,673.62	\$49,594.17	\$53,267.79
j Total Indirect Charges	\$1,928.53	\$23,389.58	\$25,318.11
k TOTAL	\$5,602.15	\$72,983.75	\$78,585.90

LABOR BREAKOUT FOR MONTH:

Individual	Location	Function	Hours	Labor Amount
SHELLY M ALLEN	KANSAS CITY DISTRICT	PROGRAM ANALYST	2.00	\$184.95
ELIZABETH BUCKRUCKER	KANSAS CITY DISTRICT	HTRW PROJECT MANAGER	23.00	\$2,912.29
GREGORY NE HATTAN	KANSAS CITY DISTRICT	GEOLOGIST	11.00	\$955.58

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

LABOR BREAKOUT FOR MONTH:

<u>Individual</u>	<u>Location</u>	<u>Function</u>	<u>Hours</u>	<u>Labor Amount</u>
SANDRA A. DODGEN	KANSAS CITY DISTRICT	SECRETARY (OA)	2.50	\$124.31
DAVID M. EVANS	KANSAS CITY DISTRICT	CHEMIST	4.00	\$381.14
JULIA K. KISSER	KANSAS CITY DISTRICT	SUPV GEOLOGIST	2.00	\$267.65
JASON R. L'ECUYER	KANSAS CITY DISTRICT	CHEMICAL ENGINEER	1.00	\$92.48
TOTAL LABOR:			45.50	\$4,918.40

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

IA Number: DW96957731AA

MONTHLY REPORT FOR DECEMBER 2010

	Revised Reimbursable (96X3122)	Direct Fund Cite	IA Totals (96X3122)
STATEMENT OF CHARGES FOR PERIOD:			
Total Funds Authorized:	\$174,000.00	\$1,046,000.00	\$1,220,000.00
Less Total Expenditures: (-)	\$78,585.90	\$182,934.11	\$261,520.01
Less Undelivered Orders: (-)	\$0.00	\$863,065.89	\$863,065.89
Less Commitments: (-)	\$27,789.63	\$0.00	\$27,789.63
Funds Available Balance:	\$67,624.47	\$0.00	\$67,624.47

BILLING ACTIVITY (96X3122):

Bill Number: 27051646

Funds Expended During Report Period: \$5,602.15
Total Billed to Date: \$78,585.90

DIRECT FUND CITE PAYMENTS:

Funds Expended During Report Period: \$43,920.50
Total Expended to Date: \$182,934.11

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

PROGRESS REPORT

TA Number: DW96957731AA

Bill Number: 27051646

Bill Invoice Date: 03-JAN-2011

Monthly Billing Amount(96X3122): \$5,602.15

Monthly Direct Fund Cite Contract Cost(68X8145): \$43,920.50

Budget Categories	Costs for Current Month	Prior Month's Summary	Project Costs to Date
a Personnel	\$0.00	\$0.00	\$0.00
b Fringe Benefits	\$0.00	\$0.00	\$0.00
c Travel	\$0.00	\$0.00	\$0.00
d Equipment	\$0.00	\$0.00	\$0.00
e Supplies	\$0.00	\$0.00	\$0.00
f Procurement	\$0.00	\$0.00	\$0.00
g Construction	\$0.00	\$0.00	\$0.00
h Other	\$0.00	\$0.00	\$0.00
i Total Direct Charges	\$0.00	\$0.00	\$0.00
j Total Indirect Charges	\$0.00	\$0.00	\$0.00
k TOTAL	\$0.00	\$0.00	\$0.00
TOTAL LABOR:		0.00	\$0.00

Progress Report for EPA Region II

Site:	Diamond Head Oil Refinery, NJ Remedial Design Operable Unit 1			Phase:	Remedial Design – OU1	
Bill No.:	27051645; Partial #14	IAG No.:	DW96957731/BZ801 IAG Award Date: 12/02/09	IAG Expiration Date:	11/30/11	
Reporting Period:	From: December 1, 2010	To: January 3, 2011	EPA RPM Grisell Diaz-Cotto	USACE PM Elizabeth Buckrucker	Other Corps P2: 329881/FWI: G0C947	

Work Performed	
<i>This Period</i>	<ul style="list-style-type: none"> Task Order 0004 Invoices. On 17 Dec 10, reviewed and approved Invoice 8, totaling \$43,920.50, for period 25 Sep – 29 Oct 10. Funding. <ul style="list-style-type: none"> On 6 Dec 10, received draft funding requirements from J. Hess. Performed review of the funding needs and provided written comments. On 9 Dec 10, discussed with J. Hess future funding requirements and cash flow analysis based on the two scenarios (performance of one vs. two bench scale phases.). From 9-15 Dec 10, coordinated several iterations with J. Hess of the cash flow/funding requirements for the two PDI scenarios. Restructured the format to present the funding requirements to EPA. On 16 Dec 10, submitted the revised funding requirements to G. Diaz-Cotto. Held conference call to present the information this same day. Pre-Design Investigation (PDI). <ul style="list-style-type: none"> On 7 Dec 10, met with internal team to discuss the bench scale test and items that should be monitored and discussed on the progress calls. Topics included the potential effect of the soil remaining in buckets for several weeks prior to the start of the test, the decision matrix of performing a second phase of bench scale and RTA determination based on material that is treatable. These items will be discussed with EPA and CH2 on the progress calls in addition to items listed in the issues section below. On 15 Dec 10, received sample results taken from the LNAPL and analyzed for dioxin. Elevated levels of dioxin were found which will precipitate additional investigation under OU2. This will impact the OU1 PDI and as such, applicable information will be provided in this report. On 15 Dec 10, received Status Report #1 for the Biocell Test from CH2. Internal team reviewed and prepared for status call. Additional internal coordination was held regarding the LNAPL results. On 21 Dec 10, conference call held with EPA and CH2 to discuss the bench scale progress to date. A Status Report summary was presented by CH2 which included technical issues such as elevated pH and the production of methane which could indicate anaerobic conditions. Additional discussion between D. Evans and M. Zamboni/T. Palaia regarding the speciation analysis. On 21 Dec 10, CH2 provided table with comparison of analytical protocol being used in the bench scale testing. Schedule. The current project schedule is dated 30 Nov 10. Contract Task Order 0004; WVN3/WVN4. <ul style="list-style-type: none"> On 6 Dec 10, WVN3 was approved. During the week of 27 Dec 10, coordinated WVN4 draft documents with J. Hess. On 3 Jan 11, WVN4 was submitted for approval. Preparation of Progress Report and Project Expenditures spreadsheet.

Progress Report for EPA Region II

<i>Key Meetings This Period</i>	<ul style="list-style-type: none"> Conference calls held are noted in progress portions of this report.
<i>Key Contract Milestones Completed to Date</i>	<ul style="list-style-type: none"> 2 Dec 2009; New IA funding received totaling \$300,000 10 Feb 2010; Base Task Order 0002 awarded, totaling \$255,000. 6 Apr 2010, IA Amendment #1 funding received totaling \$170,000; for total IA value of \$470,000. 13 Aug 2010, Task Order 0002, Modification 1 was awarded for \$141,000. 29 Sep 2010; IA Amendment #2 funding received totaling \$750,000; for total IA value of \$1,220,000. 2 Nov 2010; Task Order 0002; Modification 2 was awarded for \$650,000

<i>Contractor Actions/ Accomplishments</i>	<ul style="list-style-type: none"> Management tasks included communication and invoicing. Also, completed WVN4 for approval. Prepared and submitted Status Report #1 Biocell Test Startup Report. Provided in progress review on conference call held 21 Dec 10. Discussed issues with Corps personnel as requested. Details of the CH2 work during this period will be contained in the CH2M Hill Progress Report Number 10 for December 2010.
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Projected Work, Meetings Milestones through next FY.	
<i>Narrative</i>	<ul style="list-style-type: none"> Work planned/completed during FY10/FY11 includes: <ul style="list-style-type: none"> Pre-Design Investigation LNAPL Sampling (occurred 27 Sep 10 – 1 Oct 10) Phase 1 Bench Scale Study (began 12 November 2010) Phase 1 Bench Scale report/Phase 2 Bench Scale determination Pre-Design Field Investigation
<i>Meetings</i>	<ul style="list-style-type: none"> TBD; no specific meetings set
<i>Key Milestones Forthcoming</i>	<ul style="list-style-type: none"> 5 May 2010 –Final Data Needs Technical Memorandum submitted (complete) 31 Aug 2010 –Final Pre-Design Investigation Work Plan submitted (complete) The below dates are based on 30 Nov 2010 schedule update and presume no Phase 2 Bench Scale will be conducted: <ul style="list-style-type: none"> 28 Feb 11: Receive Phase 1 Bench Scale lab results 15 Mar 11: Submit Draft Phase 1 Bench Scale test results 29 Apr 11: Pre-Design fieldwork planning documents (QAPP, SMP, CQCP) submitted 27 May 11: Pre-Design fieldwork begins 15 Feb 12: Draft Pre-Design fieldwork TM submitted

Issues	
<i>Technical:</i>	<ul style="list-style-type: none"> Phase 1 Bench Scale testing technical issues which are currently being discussed among the team: <ul style="list-style-type: none"> Soil pH is higher than anticipated with Time 0 measurements for pH = ~11-12. These levels could impact the survivability of the bio-agent. Production of methane gas and lack of CO2 gas being produced; current conditions indicate possible anaerobic activity.
<i>Schedule:</i>	<ul style="list-style-type: none"> The current schedule is dated 30 November 2010. This schedule reflects two scenarios, 1) Conducting Phase 1 Bench Scale prior to PDI and 2) Phase 1 & 2 Bench Scale testing prior to PDI being conducted. The determination of conducting a Phase 2 will be at the conclusion of Phase 1.
<i>Funding:</i>	<ul style="list-style-type: none"> No immediate funding needs. Future funding requirements will be determined as the bench scale progresses and the timing of future tasks are more clearly determined.

Progress Report for EPA Region II

IAG Summary						
Amendment Funding				Cumulative Funding		
USACE	Direct Fund Cite	Amend #	Date	USACE	Direct Fund Cite	Total IAG
\$45,000	\$255,000	Initial	12/2/09	-	-	\$300,000
\$29,000	\$141,000	1	4/6/10	\$74,000	\$396,000	\$470,000
\$100,000	\$650,000	2	9/29/10	\$174,000	\$1,046,000	\$1,220,000

Expenditures: USACE and Direct Fund Cite

Summary of Funds Spent Per Activity & Funding Remaining				
Description	Funds for Activity	Funds Disbursed this Month	Funds Disbursed to Date	Funds Not Disbursed
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004 - awarded 10 Feb 10	\$255,000.00	\$43,920.50	\$182,934.11	\$72,065.89
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004/Mod 1 - awarded 13 Aug 10	\$141,000.00	\$0.00	\$0.00	\$141,000.00
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004/Mod 2 - awarded 2 Nov 10	\$650,000.00	\$0.00	\$0.00	\$650,000.00
Subtotal - Summary of DFC Contract Dollars	\$1,046,000.00	\$43,920.50	\$182,934.11	\$863,065.89
Kansas City Corps In-House Labor/Travel	\$156,900.00	\$4,918.40	\$74,975.17	\$81,924.83
Superfund M&S Fee	\$17,100.00	\$683.75	\$3,610.73	\$13,489.27
Subtotal - Labor/M&S	\$174,000.00	\$5,602.15	\$78,585.90	\$95,414.10
Grand Total - Contract/Corps	\$1,220,000.00	\$49,522.65	\$261,520.01	\$958,479.99

IAG Project Description (block 12 of IA)

Base IA: USACE Kansas City District (DOD964126) to perform Remedial Design activities for Operable Unit 1 at the Diamond Head Oil Superfund Site (EPA Site D#NJD092226000).

Project Delivery Team

Name	Contact Information	Responsibility
Beth Buckrucker	(816) 389-3581 Cell: (816) 695-5797	Project Manager
Greg Hattan	(816) 389-3579	Project Geologist
Dave Evans	(816) 389-3857	Project Chemist
Jason L'Ecuyer	(816) 389-3908	Project Process Engineer
Bonnie Lowe	(816) 389-3803	Contract Specialist
Trudy Shannon	(816) 389-3822	Contracting Officer
Scott Young	(816) 389-3589	Contracting Officer Representative

Prepared by:
Elizabeth Buckrucker
Project Manager
18 January 2010